

**WE CLAIM:**

1. A method for identifying a compound with potential for treating neoplasia, comprising:

treating neoplastic cells with the compound to be evaluated at a concentration between about 200  $\mu$ M to 200 pM;

determining the intracellular amount of cGMP in the treated cells; determining the intracellular amount of cAMP in the treated cells;

wherein about a three-fold or greater increase in the ratio of cGMP/cAMP in the treated cells compared to the ratio of cGMP/cAMP in untreated neoplastic cells is indicative that the compound has potential for treating neoplasia.

2. The method of claim 1 wherein an intracellular amount of cGMP in the treated cells greater than 500 fmol/mg protein is indicative that the compound has potential for treating neoplasia.

3. The method of claim 1 wherein an intracellular amount of cAMP in the treated cells less than 4000 fmol/mg protein is indicative that the compound has potential for treating neoplasia.

4. The method of claim 3 wherein an intracellular amount of cAMP in the treated cells less than 4000 fmol/mg protein is indicative that the compound has potential for treating neoplasia.